

SEQUENCE LISTING

<110> May, Michael J.
Ghosh, Sankar

<120> Inhibition of NF-kappa B Activation by Blockade of IKK
beta-NEMO Interactions at the NEMO Binding Domain

<130> 44574-5066-US

<140>

<141>

<150> US 60/201,261

<151> 2000-05-02

<160> 27

<170> PatentIn Ver. 2.1

<210> 1

<211> 33

<212> DNA

<213> Homo sapiens

<220>

<223> NEMO binding domain (NBD) of wild type IKK beta

<400> 1

acggcctag actggagctg gttacagacg gaa

33

<210> 2

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NBD peptide
sequence

<400> 2

Leu Asp Trp Ser Trp Leu

1

5

<210> 3

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 3
Leu Asp Ala Ser Ala Leu
1 5

<210> 4
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 4
Ala Asp Trp Ser Trp Leu
1 5

<210> 5
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 5
Leu Asp Trp Ser Trp Ala
1 5

<210> 6
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 6
Ala Asp Trp Ser Trp Ala
1 5

<210> 7
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 7
Leu Ala Trp Ser Trp Leu
1 5

<210> 8
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 8
Leu Glu Trp Ser Trp Leu
1 5

<210> 9
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 9
Leu Asn Trp Ser Trp Leu
1 5

<210> 10
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 10
Leu Asp Ala Ser Trp Leu
1 5

<210> 11
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 11
Leu Asp Phe Ser Trp Leu
1 5

<210> 12
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 12
Leu Asp Tyr Ser Trp Leu
1 5

<210> 13
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 13
Leu Asp Trp Ser Ala Leu
1 5

<210> 14
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 14
Leu Asp Trp Ser Phe Leu
1 5

<210> 15
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 15
Leu Asp Trp Ser Tyr Leu
1 5

<210> 16
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 16
Leu Asp Trp Ala Trp Leu
1 5

<210> 17
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NBD mutant
peptide sequence

<400> 17
Leu Asp Trp Glu Trp Leu
1 5

<210> 18
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Wild type NBD
peptide

<400> 18
Asp Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
1 5 10 15

Lys Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
20 25

<210> 19
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Mutant NBD peptide

<400> 19

Asp Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
1 5 10 15

Lys Thr Ala Leu Asp Ala Ser Ala Leu Gln Thr Glu
20 25

<210> 20

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: RT-PCR primer

<400> 20

atagacgaat tcaataggca cctctggaag 30

<210> 21

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: RT-PCR primer

<400> 21

taggacctcg agctactcaa tgcactccat g 31

<210> 22

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Forward PCR primer

<400> 22

ctagtcgaat tcaccatgca gagcacagcc aattac 36

<210> 23

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Reverse PCR primer

<400> 23
ctagtctcta gattagacat caggaggtgc tgg 33

<210> 24
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: DNA sequence
encoding SEQ ID NO: 2

<400> 24
ttagattggt cttggtta 18

<210> 25
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: DNA sequence
encoding SEQ ID NO: 2

<400> 25
ttggactggt cctggcta 18

<210> 26
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: DNA sequence
encoding SEQ ID NO: 15

<400> 26
ttagattggt cttatctg 18

<210> 27
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: DNA sequence
encoding SEQ ID NO: 15

<400> 27
cttgactggt cataactta 18